



S/N 09/434,082

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Kevin J. Ryan

Examiner: James Peikari

Serial No.: 09/434,082

Group Art Unit: 2186

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Title: PIPELINED PACKET-ORIENTED MEMORY SYSTEM HAVING A
UNIDIRECTIONAL COMMAND AND ADDRESS BUS AND A
BIDIRECTIONAL DATA BUS

AMENDMENT AND RESPONSE UNDER 37 CFR § 1.111

Commissioner for Patents
Washington, D.C. 20231

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JUN 21 2001
Technology Center 2100

Applicant has reviewed the Office Action mailed on March 27, 2001. Please amend the
above-identified patent application as follows.

IN THE CLAIMS

Please substitute the claim set in the appendix entitled Clean Version of Pending Claims
for the previously pending claim set. Specific amendments to individual claims are detailed in
the following marked up set of claims.

Please amend the claims as follows:

5. (Amended) A memory system comprising:

a memory controller;

a unidirectional command and address bus coupled to the memory controller, the memory
controller communicating commands and addresses to the command and address bus;

a bidirectional data bus coupled to the memory controller, the memory controller
communicating data information to the bidirectional data bus for a write operation and receiving
the data information from the bidirectional data bus during a read operation; and

a plurality N of pipelined memory subsystems, wherein each memory subsystem
includes:

[a] a plurality M of memory devices wherein each memory device contains
data in and a data out buffer, a column decoder and a row decoder;

[b] a command buffer [register] connected between the command and address
bus and the plurality of memory devices, the command buffer [register] receiving and latching

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240.00 DP

02 FC:103
03 FC:102